AIR FORCE ASSOCIATION’S NATIONAL YOUTH CYBER DEFENSE COMPETITION

March 20-22, 2020

CYBERPATRIOT XII
NATIONAL FINALS COMPETITION

Bethesda North Marriott, Rockville, MD  |  www.uscyberpatriot.org
ABOUT THE AIR FORCE ASSOCIATION

MISSION
To promote a dominant United States Air Force, a strong national defense, to honor and support Airmen and the Air Force Family, and to remember and respect our Air Force Heritage. To accomplish this, we:

EDUCATE the public on the critical need for unmatched aerospace power and a technically superior workforce to ensure U.S. national security;

ADVOCATE for aerospace power and STEM education; and

SUPPORT the Total Air Force family and promote aerospace education.

AFA is a 501(c)(3) independent, nonpartisan, nonprofit educational organization, to which all donations are tax deductible. With your help we will be able to expand our programs and their impact. We need your support and ongoing financial commitment to realize our goals. AFA disseminates information through Air Force Magazine, the Daily Report, airforcemag.com, the Mitchell Institute for Aerospace Studies, national conferences and symposia, and other forms of public outreach. Learn more about AFA by visiting www.afa.org.

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TXPatriot | —Engineering and Technologies Academy @ Roosevelt High School—San Antonio, TX
Fight for Tyler—Troy High School—Fullerton, CA
PICNICS—Troy High School—Fullerton, CA
Subtle Cyber Traits—Troy High School—Fullerton, CA
Devil Dogs—Marine Military Academy—Harlingen, TX
Red Team—Nation Ford High School—Fort Mill, SC
TXPatriot | Foxhounds—Brandeis High School—San Antonio, TX
TXPatriot | —Cy-Fair High School—Cypress, TX
{`*°*`} —Big Sioux Composite Squadron—Brookings, SD
code%20purple—St. Augustine Composite Squadron—St. Augustine, FL
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Spartans—Sacramento Division—Roseville, CA

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Welcome to the Air Force Association’s

CyberPatriot XII National Finals Competition

On behalf of the almost 94,000 Air Force Association members worldwide, welcome to the Washington, D.C. area, and congratulations on being one of only 28 teams to qualify for the CyberPatriot XII National Finals Competition!

From a field of nearly 6,800 registered teams for the CyberPatriot XII season, yours is one of the very few that has qualified for the Finals. You have justifiable reason to be proud of your achievements, and we wish you the best of luck as you compete for the honor of being named National Champion.

A special thank you is owed to our volunteer coaches, mentors and team assistants. Through generously sharing your time, talent and energy, AFA’s CyberPatriot has become the largest team-based cyber defense competition in the world. And because of you we are shaping the global technical workforce.

Our deepest thanks go to our Presenting Sponsor the Northrop Grumman Foundation and to our other sponsors—AT&T, AT&T Foundation, Boeing, Cisco, U.S. Department of Homeland Security, Microsoft, Air Force Reserve, Bank of New York Mellon, Facebook, Symantec, The USAA Foundation, Air Force STEM, American Military University, Capital One, Embry-Riddle Aeronautical University, Leidos, Mastercard, VMWare and University of Maryland-Global Campus. AFA is grateful for your investment in America’s future.

Gerald Murray
Chairman of the Board
Air Force Association

Bruce A. “Orville” Wright
President
Air Force Association
The Air Force Association’s National Youth Cyber Education Program

CYBER DEFENSE COMPETITION

<table>
<thead>
<tr>
<th>Year</th>
<th>Team Registration</th>
<th>Competitor Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>4,404</td>
<td>227</td>
</tr>
<tr>
<td>2017</td>
<td>5,584</td>
<td>72</td>
</tr>
<tr>
<td>2018</td>
<td>6,387</td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>6,760</td>
<td></td>
</tr>
</tbody>
</table>

AFA CYBERCAMPS

227 STANDARD CAMPS + 72 ADVANCED CAMPS = 299 TOTAL CAMPS

ELEMENTARY SCHOOL CYBER EDUCATION INITIATIVE

9,600 TOTAL DOWNLOADS
1,800 DOWNLOADS IN 2019

CYBER EDUCATION LITERATURE SERIES

NEW BOOK!
“Ben the Cyber Defender,” written by CyberPatriot’s Madhu Debnath, is now available. This is the second book in the Cyber Education Literature Series.

1,300 copies of “Sarah the Cyber Hero” have been distributed since 2017

GET INVOLVED

Since 2010, CyberPatriot programs have reached nearly 300,000 students. Help grow our reach by:

- Coaching or mentoring a CyberPatriot team
- Hosting an AFA CyberCamp
- Donating literature series books to local schools and libraries
- Teaching a workshop at your local senior center

CYBERGENERATIONS

100+ workshops held to teach senior citizens about cyber safety

3,700 self-paced guides distributed to senior citizens across the country

Made available through the generous support of

Visit www.uscyberpatriot.org for program updates!
The CyberPatriot XII competition season began in October 2019 with 6,760 registered teams. After multiple rounds of rigorous online challenges, the Open Division and All Service Division teams were divided into three tiers: Platinum, Gold and Silver. The teams then competed within their tiers for state awards and advancement to the Semifinal Round. Only teams in the top Platinum tier were eligible to advance to the National Finals Competition.

The top twelve Open Division teams, top thirteen All Service Division teams and top three Middle School Division teams have advanced to the National Finals Competition where they are competing for top honors in their divisions and, in the case of the Open and All Service Divisions, scholarships.

Teams from all divisions will also compete in the Cisco NetAcad Challenge, where teams are scored on their ability to demonstrate knowledge of and proficiency in network security. Teams will be required to problem-solve efficiently in order to complete all aspects of the challenge in the allotted time. Teams are tested with a networking quiz and a hands-on networking component which consists of device troubleshooting and correctly configuring network equipment and cables based on the instructions they are given.

During this challenge, teams are given seven virtual operating system images and one AT&T-provided mobile device with an iOS system. Participants on each team assume roles as administrators for a small company and are responsible for maintaining servers and network services. During the challenge, teams are tasked with finding and fixing security vulnerabilities, maintaining critical services, resolving ad hoc “injects” (including the AT&T Mobile Device Component), and defending against hostile Red Team attackers.

All three divisions will also compete in the Cisco NetAcad Challenge, where teams are scored on their ability to demonstrate knowledge of and proficiency in network security. Teams will be required to problem-solve efficiently in order to complete all aspects of the challenge in the allotted time. Teams are tested with a networking quiz and a hands-on networking component which consists of device troubleshooting and correctly configuring network equipment and cables based on the instructions they are given.
Beyond the Competition

In addition to our National Youth Cyber Defense Competition, CyberPatriot also manages a robust AFA CyberCamp program, the Elementary School Cyber Education Initiative (ESCEI), the Cyber Education Literature Series, and CyberGenerations.

AFA CyberCamps offer 20 hours of curriculum designed to be completed over five days, with the fifth day serving as a mini-competition day. Standard AFA CyberCamps are designed for novice students while Advanced AFA CyberCamps target students who have competed in CyberPatriot or have previously attended an AFA CyberCamp. The program has grown from three camps in 2014 to 299 camp locations in the summer of 2019. Registration for the 2020 season of CyberCamps will close May 1st.

Since July of 2015, ESCEI has been teaching students in grades K-6 basic cybersecurity principles, personal information protection, and online safety in an entertaining and engaging game-like format. The program has three modules that are available for free download from the CyberPatriot website: Security Showdown 2 (grades K-2), JeffOS (grades 3-6) and Packet Protector (grades 3-6). Since the program’s launch, approximately 9,600 AFA ESCEI kits had been distributed worldwide.

ORDER OF MERIT

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Chris Cook</td>
<td>John Klebonis</td>
<td>Brian Hale</td>
<td>Dr. Paul Kaminski</td>
<td>Suzanne Vautrinot</td>
<td>Meghan Barnes</td>
<td>Greg White</td>
</tr>
<tr>
<td>Al Cortes</td>
<td>Susan Mallett</td>
<td>Hal Arata</td>
<td>Lisa Bruce</td>
<td>Betty Hemby</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cindy DeCarlo</td>
<td>Lance Spencer</td>
<td></td>
<td></td>
<td>Betty Hemby</td>
<td></td>
<td></td>
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<tr>
<td>Diane Miller</td>
<td></td>
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<tr>
<td>Carey Peck</td>
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<tr>
<td>Harry Talbot</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Montana Williams</td>
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</tbody>
</table>

The CyberPatriot Order of Merit is awarded to a limited number of individuals who have demonstrated exceptionally distinguished dedication and service to the National Youth Cyber Education Program through promoting growth and sustainment of the program and by enabling it to achieve its objective of promoting STEM and cybersecurity education in our nation.

CYBER ALL-AMERICAN

The Cyber All-American designation is awarded to those exceptional individuals who have qualified for the CyberPatriot National Finals Competition in each of their high school years.

<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
<th>School/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carlin Idle</td>
<td>2015</td>
<td>Colorado Springs Cadet Squadron</td>
</tr>
<tr>
<td>Joshua Klosterman</td>
<td>2015</td>
<td>Big Sioux Composite Squadron</td>
</tr>
<tr>
<td>Connor Quick</td>
<td>2015</td>
<td>Montachussett Regional Vocational Technical School</td>
</tr>
<tr>
<td>Victor Griswold</td>
<td>2016</td>
<td>Colorado Springs Cadet Squadron</td>
</tr>
<tr>
<td>Leon Gaulin</td>
<td>2017</td>
<td>Montachussett Regional Vocational Technical School</td>
</tr>
<tr>
<td>Noah Bowe</td>
<td>2018</td>
<td>Colorado Springs Cadet Squadron</td>
</tr>
<tr>
<td>Taylor Coffey</td>
<td>2018</td>
<td>Colorado Springs Cadet Squadron</td>
</tr>
<tr>
<td>Charissa Kim</td>
<td>2020</td>
<td>Troy High School</td>
</tr>
</tbody>
</table>

CyberPatriot congratulates the newest Cyber All-American Charissa Kim of Troy High School. Charissa is the first female to receive the Cyber All-American award.
## SCHEDULE OF EVENTS

### Friday, March 20, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 – 8:45 AM</td>
<td>Opening Ceremony</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>10:15 – 11:30 AM</td>
<td>Competition Orientation</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>12:30 – 3:30 PM</td>
<td>Northrop Grumman Tour</td>
<td></td>
</tr>
<tr>
<td>3:30 – 4:45 PM</td>
<td>System Familiarization for Open &amp; Middle School Divisions</td>
<td>Grand Ballroom E-H</td>
</tr>
<tr>
<td>5:15 – 6:30 PM</td>
<td>System Familiarization for All Service Division</td>
<td>Grand Ballroom E-H</td>
</tr>
<tr>
<td>6:30 – 8:30 PM</td>
<td>Competitors’ Dinner with Northrop Grumman Mentors</td>
<td>Grand Ballroom D</td>
</tr>
</tbody>
</table>

### Saturday, March 21, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 – 11:00 AM</td>
<td>Network Security Master Challenge with AT&amp;T Mobile Device</td>
<td>Grand Ballroom E-H</td>
</tr>
<tr>
<td>12:30 – 4:00 PM</td>
<td>Network Security Master Challenge with AT&amp;T Mobile Device</td>
<td>Grand Ballroom E-H</td>
</tr>
<tr>
<td>5:00 – 6:30 PM</td>
<td>Cisco NetAcad Challenge for Open and Middle School Divisions</td>
<td>Grand Ballroom E-H</td>
</tr>
<tr>
<td>7:30 – 9:00 PM</td>
<td>Cisco NetAcad Challenge for All Service Division</td>
<td>Grand Ballroom E-H</td>
</tr>
</tbody>
</table>

### Sunday, March 22, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 PM</td>
<td>CyberPatriot National Finals Awards Banquet</td>
<td>Grand Ballroom</td>
</tr>
</tbody>
</table>
THE VALUE OF LEARNING TODAY FOR A BETTER TOMORROW.

The Northrop Grumman Foundation is proud to be the Presenting Sponsor of CyberPatriot. We congratulate this year’s finalists and wish you all the best in the competition.

THE VALUE OF PERFORMANCE.
Team Name: Hagvgyrq qbphzrag  
School/Institution: Atkins High School  
Location: Winston-Salem, NC

The CyberPatriot program is the single most important life-changing experience available to students at my school. Through the program, students not only get to learn valuable skills in Cybersecurity, but take on the role of security professionals. By taking part on my teams here at Atkins, almost all of my players have changed or further refined their career goals. Taking part has helped them set their eyes on the future of cybersecurity!

—Coach Scott Plaster

Team members:

Ethan Flowers – 11th Grade  
Career Aspiration: Cybersecurity Analyst

Daniel Quiroz – 11th Grade  
Career Aspiration: Machine Learning Developer

Caleb Rollins – 12th Grade  
Career Aspiration: Systems Analyst in Cybersecurity

Adam Shealy – 12th Grade  
Career Aspiration: Mechanical Engineer

Jayanee Venkat – 12th Grade  
Career Aspiration: Bioinformatics / Artificial Intelligence Analyst
Team Name: 3-Dmes
School/Institution: Central Tech
Location: Drumright, OK

CyberPatriot helps build team work in a challenging environment while making cybersecurity fun.

—Coach Dustin Ford

Team members:

Dylan Bishop – 12th Grade
Career Aspiration: System Administrator

El Calderon – 12th Grade
Career Aspiration: Linux System Administrator

Matthew Johnson – 11th Grade
Career Aspiration: System Administrator

Destinee Myrter – 12th Grade
Career Aspiration: Software Developer

Matthew Volkman – 12th Grade
Career Aspiration: Network Administrator

Derrek Wofford – 12th Grade
Career Aspiration: Network Administrator
Team Name: KaliPatriot
School/Institution: Cookeville High School
Location: Cookeville, TN

“CyberPatriot is a great opportunity to learn important values like integrity and teamwork.”

—Coach Scott Waites

Team members:

Landon Byrge – 10th Grade
Career Aspiration: Penetration Tester

Daniel Fleisig – 10th Grade
Career Aspiration: Security Architect

Parker Johnson – 10th Grade
Career Aspiration: Network Security Engineer

Nathan Papa – 10th Grade
Career Aspiration: Security Analyst

John Reagan – 10th Grade
Career Aspiration: Military or Government Cybersecurity Administrator
Team Name: CyberAegis Antiquark
School/Institution: Del Norte High School
Location: San Diego, CA

CyberPatriot is a very influential part of the students’ lives. It starts out just understanding the basics, but as the competition goes on you have to research and learn so you can become better. CyberPatriot has enforced values and skills that the students will utilize for a lifetime. The collaboration, communication, and technical skills will undoubtedly open many doors in the journey to accomplish their aspirations. CyberPatriot is more than just a competition, it is something that will leave an everlasting impact on any individual, regardless of who they are.

Team members:

Samhitha Duggirala – 9th Grade
Career Aspiration: Digital Forensics Analyst

Vihan Jayaraman – 10th Grade
Career Aspiration: Network Engineer

Ritvik Keerthi – 9th Grade
Career Aspiration: Cybersecurity Engineer

Raadwan Masum – 9th Grade
Career Aspiration: Computer Scientist

Abhinav Palacharla – 10th Grade
Career Aspiration: Back-End Web Developer

Ashika Palacharla – 9th Grade
Career Aspiration: Software Developer

—Coach Senmao Lin
Team Name: CyberAegis Charm
School/Institution: Del Norte High School
Location: San Diego, CA

CyberPatriot serves as a gateway for developing individuals to hone their skills in cybersecurity. It gives people the opportunity to learn about information that is not normally taught at the high school level and allows them to develop skills which help them in the workplace. CyberPatriot not only widened the students’ perspective about the importance of technology in our daily lives but also how vulnerable modern technology is. It brought about awareness as it brings discussion and action with a new wariness of our online presence.

—Coach Paul Johnson

Team members:

Akhil Guntur – 9th Grade
Career Aspiration: Hardware Engineer

Kevin Hu – 10th Grade
Career Aspiration: CEO of an Indie Game Publishing Company

Bryant Jin – 10th Grade
Career Aspiration: Penetration Tester

Jonathan Lin – 9th Grade
Career Aspiration: Security Analyst

Justin Lin – 11th Grade
Career Aspiration: Information Security Analyst

Joshua Tan – 11th Grade
Career Aspiration: Ethical Hacker
Team Name: CyberAegis Hyperon
School/Institution: Del Norte High School
Location: San Diego, CA

CyberPatriot is a valuable gateway program to the research and understanding of computer systems. The knowledge learned is highly applicable to a variety of career aspirations and also to working with teammates towards a common goal. If there is going to be anyone defending our nation from foreign attacks, it will be these CyberPatriots.

—Coach Senmao Lin

Team members:

Cynthia Li – 11th Grade
Career Aspiration: Cyber Forensics Analyst

Jeffrey Sheng – 10th Grade
Career Aspiration: Undecided (but something meaningful)

Devam Shrivastava – 10th Grade
Career Aspiration: Chief Information Security Officer

Daniel Yang – 11th Grade
Career Aspiration: Artificial Intelligence Engineer

Joshua You – 11th Grade
Career Aspiration: Academic or Researcher

Cynthia Zhang – 11th Grade
Career Aspiration: Cryptanalyst
The CyberPatriot Program teaches pre-collegiate students the importance of computer networks and why they must be defended. The program is an excellent gateway for students to pursue careers in STEM related fields. Through online competitions, CyberPatriot teaches the importance of cybersecurity and its implications in the growing world of technology, as well as training the new generation of rising cyber leaders in defenses against malicious entities. The program also instills the value of integrity, service, excellence, teamwork, discipline and perseverance within individuals to tackle real-world challenges.

—Coach Angela Li

Team members:

Kian Kishimoto – 10th Grade
Career Aspiration: CEO of Microsoft

Max Novak – 12th Grade
Career Aspiration: United States Cyber Command

Akshay Rohatgi – 9th Grade
Career Aspiration: Chief Information Security Officer

Tanay Shah – 10th Grade
Career Aspiration: Active Directory Penetration Tester

KC Uhegbu – 12th Grade
Career Aspiration: Chief Technology Officer

Ellen Xu – 9th Grade
Career Aspiration: Machine Learning Engineer
CyberPatriot prepares aspiring teenagers on how to defend themselves in the future of a technology-based world. CyberPatriot not only teaches cybersecurity and computer networking skills that will become increasingly important, but it also promotes teamwork and communication, and the students have developed problem-solving skills which will be used for the rest of their lives. For many, CyberPatriot has become more than just a competition, it has become a way to express their love for Computer Science, make new friends, create new connections, and overall having fun.

—Coach Angela Li

Team members:

Michael Chen – 10th Grade
Career Aspiration: Cybersecurity Analyst

Arjun Ghoshal – 11th Grade
Career Aspiration: Ethical Hacker

Gautam Gupta – 10th Grade
Career Aspiration: Cybersecurity Innovator

Raiden Tung – 9th Grade
Career Aspiration: Information Security Analyst

Audrey Zeng – 9th Grade
Career Aspiration: Chemical Engineer

Qiyao Zheng – 9th Grade
Career Aspiration: Software Engineer Startup
Team Name: CyberAegis Strange Quark II
School/Institution: Del Norte High School
Location: San Diego, CA

CyberPatriot teaches the students important skills in the field of cybersecurity and beyond, as well as essential work ethic and team collaboration skills, all of which are not only beneficial to their future careers but also crucial to their personal development and growth while educating them about the importance of cybersecurity and the magnitude of threats that exist. The students have a great experience and form friendships while participating and learning these skills. It also helps students learn leadership, teamwork, and problem solving skills that are beyond valuable for their future. The students are involved in and excited about cybersecurity as a career.

—Coach Paul Johnson

Team members:

**Eric Chen** – 12th Grade  
Career Aspiration: CEO of a Fortune 500 Company (starting from Software Engineer)

**Phoenix Dimagiba** – 12th Grade  
Career Aspiration: Cybersecurity Lawyer

**Lucy Gao** – 12th Grade  
Career Aspiration: Software Engineer

**Darshan Parekh** – 12th Grade  
Career Aspiration: Network Security Lead

**Pranav Patil** – 12th Grade  
Career Aspiration: Entrepreneur

**Andrew Wang** – 12th Grade  
Career Aspiration: Cybersecurity Researcher, Computational Linguist, or Web Developer
CyberPatriot’s National Youth Cyber Education Program provides students from grades 9 through 12 the opportunity to expand their cybersecurity skillsets, understand the importance of teamwork and ultimately test those skills against thousands of teams across the globe. Students learn through accessing a host of online resources, including a leading edge virtual training environment, which challenges and motivates them to solve real-world problems, exposes them to a variety of relevant technologies and provides the skills necessary to succeed within an ever-changing workforce.

—Coach Robert Esposito

Team Name: CA PRIME
School/Institution: Sisler High School
Location: Winnipeg, MB (Canada)

Team members:

Jeremy Bulaong – 12th Grade
Career Aspiration: Engineer

Noah Curoe – 12th Grade
Career Aspiration: Software Engineer

Mateo Desousa – 11th Grade
Career Aspiration: Cybersecurity Professional

Ferrer Mathew – 12th Grade
Career Aspiration: Signals Officer with Canadian Armed Forces

Devlin Neil-McSwain – 12th Grade
Career Aspiration: Network Security Engineer

Arshdeep Sarpal – 12th Grade
Career Aspiration: Cybersecurity Professional
Team Name: VAPatriot ScubaSquad
School/Institution: Thomas Jefferson High School for Science and Technology
Location: Alexandria, VA

CyberPatriot is a great introduction to cybersecurity in the real world. It provides material on the basics of Linux, Windows, and networking, much of which relates to intro-level cybersecurity certifications. Competitors also get a taste of what teamwork will look like in their future careers.

—Coach Dan Tra

Team members:

Lauren Delwiche – 10th Grade
Career Aspiration/Dream Job: Software Engineer

Darius Kianersi – 10th Grade
Career Aspiration/Dream Job: Penetration Tester

Ryan Kim – 11th Grade
Career Aspiration/Dream Job: Data Analyst

Darin Mao – 10th Grade
Career Aspiration/Dream Job: Software Engineer

Alex Suh – 11th Grade
Career Aspiration/Dream Job: Cisco Architect
What started from a gag name of the Troy Tech program became a highly devoted team of students experienced in cybersecurity and computer science. Troy Tech Support has competed in numerous competitions such as picoCTF, CSAW RED, Codequest, CCIC, and more, consistently performing well. After valiantly conquering the Battle of CPXI, Troy Tech Support plans to defend our championship title. :wq! [coaches’ comment: :wq! is Linux for “I am done” and is listed in the urban dictionary]

—Coach Roger Fronek

Team members:

Clement Chan – 12th Grade
Career Aspiration: CyberPatriot National Commissioner

Evan Deters – 11th Grade
Career Aspiration: Network Architect

Timothy Kim – 10th Grade
Career Aspiration: Cybersecurity Analyst or Penetration Tester

Jimmy Li – 12th Grade
Career Aspiration: Product Manager

Rahil Shah – 12th Grade
Career Aspiration: Chief Information Security Officer

Jiacheng Xu – 12th Grade
Career Aspiration: Creator of Linux Troy Tech Support Distro
ALL SERVICE DIVISION

Team Name: TXPatriot
chmod 755 -r /srv/ftp/Anime/
School/Institution: Engineering and Technologies Academy @ Roosevelt High School
Location: San Antonio, TX

CyberPatriot gives students a chance to utilize the skills taught through networking/cybersecurity classes within the context of a fun and thought-provoking competition environment. It helps schools to create a 24/7 learning community with a focus on teamwork, academics, and creative thought processes.

— Coach Josh Beck

Team members:

- Fardeen Bhimani – 12th Grade
  Career Aspiration: Cybersecurity Incident Response Analyst

- Frieda Farias – 12th Grade
  Career Aspiration: Malware Reverse Engineer

- Tristan Lee – 10th Grade
  Career Aspiration: Cybersecurity Analyst

- Harrison Lewis – 12th Grade
  Career Aspiration: Software Developer

- Jacob Rahimi – 12th Grade
  Career Aspiration: Digital Forensics Analyst
Team Name: TXPatriot

School/Institution: Engineering and Technologies Academy @ Roosevelt High School
Location: San Antonio, TX

CyberPatriot gives students a chance to utilize the skills taught through networking/cybersecurity classes within the context of a fun and thought-provoking competition environment. It helps schools to create a 24/7 learning community with a focus on teamwork, academics, and creative thought processes.

—Coach Josh Beck

Team members:

- **Paul Bazanni** – 10th Grade
  Career Aspiration: Computer Programmer

- **Alex Bryant** – 11th Grade
  Career Aspiration: Penetration Tester

- **Shanda Levy** – 12th Grade
  Career Aspiration: NSA Cryptographer

- **Julian Pena** – 10th Grade
  Career Aspiration: Security Researcher

- **Remy Place** – 10th Grade
  Career Aspiration: Network Security Specialist

- **Francisco Rodriguez** – 10th Grade
  Career Aspiration: Network Systems Administrator
Team Name: Fight for Tyler
School/Institution: Troy High School
Location: Fullerton, CA

Thank you CyberPatriot and the Air Force Association for such a great competition. Some of us have competed for five years and we have come so close to Nationals several times. Our team has great team chemistry and a quiet but driven motivation. The Troy coaches and mentors are the absolute best. We are ready to compete at Nationals, and we will give it our very best shot.

—Coach Bill Lauper

Team members:

Safe Gergis – 11th Grade
Career Aspiration: Cybersecurity Architect or Engineer

Sky Jung – 11th Grade
Career Aspiration: Network Architect

Junha Kim – 11th Grade
Career Aspiration: Computer Programmer

Brendon Won – 12th Grade
Career Aspiration: Penetration Tester

George Yang – 11th Grade
Career Aspiration: Cybersecurity Manager or Administrator
As a new team this year plus three competitors with zero prior experience, we are thrilled to qualify for Nationals. We worked hard together and encouraged each other, while trying to get as smart as other Troy teams. We are thankful for the opportunity given to us to be able to pursue an activity that we love so much. CyberPatriot is not just a competition. It is an extremely fun game that brings six of us together for six hours in a pure adrenaline rush. Team PICNICS is excited and looking forward to Nationals 2020.

—Coach Steve Lyon

Team members:

Chan Chung – 9th Grade
Career Aspiration: Anesthesiologist

Anya Garg – 12th Grade
Career Aspiration: Cybersecurity Analyst or Cyber Crime Investigator

Andrea Jay Florendo – 10th Grade
Career Aspiration: Doctor

Jessica Leung – 12th Grade
Career Aspiration: Security Administrator or Material Chemist

Brian Ni – 9th Grade
Career Aspiration: Information Security Engineer

Nicole Wong – 12th Grade
Career Aspiration: Cybersecurity Analyst
Team Name: Subtle Cyber Traits
School/Institution: Troy High School
Location: Fullerton, CA

Our team competed at Nationals last year but were humbled in the process. We knew that coming back was not a sure thing; there are just too many solid teams in our division. It is so awesome to have an All-American, Charissa Kim, on our team; she has loads of experience and has some medals from past achievements. We are five seniors and one sophomore; for most of us, this will be our last high school cyber competition after four great years and we hope to go out winners! CyberPatriot does a great job; thank you!

—Coach Bill Lauper

Team members:

David Chang – 12th Grade
Career Aspiration: Network Architect

Zach Dang – 10th Grade
Career Aspiration: Information Security Analyst

Patrick Roland Florendo – 12th Grade
Career Aspiration: Penetration Tester

Gabriel Fok – 12th Grade
Career Aspiration: Cybersecurity Manager

Charissa Kim – 12th Grade
Career Aspiration: Cybersecurity Lawyer

Aaron Yi – 12th Grade
Career Aspiration: Chief Hacking Officer (CHO)
Cybersecurity professionals who are highly skilled are in high demand. We have a growing threat to our infrastructure. On one hand there are nations who want to steal or do us harm and on the other hand we have crackers who want our information.

—Coach Bill Beckman

Team members:

Matthew Anderson – 12th Grade
Career Aspiration: Software Engineer

Leif Fullbright – 9th Grade
Career Aspiration: Computer Programmer

Samuel Kaufman – 11th Grade
Career Aspiration: Engineer or something related to Cybersecurity or Programing

Simeon Olawale-Apana – 12th Grade
Career Aspiration: Company CEO

Odin Perriaux – 12th Grade
Career Aspiration: Cybersecurity Professional for the FBI or other government agency
Team Name: Red Team
School/Institution: Nation Ford High School
Location: Fort Mill, SC

Coming together is a beginning. Keeping together is progress. Working together is success.

—Coach Don Steele

Team members:

Lauren Buckley – 10th Grade
Career Aspiration: Software Developer

Jason Garrett-Dye – 11th Grade
Career Aspiration: Software Engineer

Caeden Intemann – 12th Grade
Career Aspiration: Cybersecurity Analyst

William Levy – 12th Grade
Career Aspiration: Engineer

Josue Perla – 11th Grade
Career Aspiration: Marine Biologist

Aiden Rossi – 11th Grade
Career Aspiration: Marine Infantry
For the cadets in my program, it has offered them an environment to either further their interest and raw aptitude in cybersecurity or find it as a new area of interest. CyberPatriot has made both of my teams become more competitive and change their mindset of being in a club to preparing to compete at a high level. They’ve held each other accountable and gave new meaning to “team” and can now call themselves national finalists!

—Coach Jim Mangiafico

Team members:

Bernard Dzogbenuku – 11th Grade
Career Aspiration: Penetration Tester

Ezequiel Garza – 10th Grade
Career Aspiration: Security Analyst

Matthew Ring – 12th Grade
Career Aspiration: Cyber Operations Officer in the Air Force

Swapomti Surampudi – 12th Grade
Career Aspiration: Database Administrator

Nirucha Uerkwitz – 11th Grade
Career Aspiration: Human Intelligence Specialist
I think CyberPatriot has been one of the most invaluable programs we have added to the competition options for our cadets. I take pride in witnessing the capabilities of our cadets and am confident that many of these current team members will continue to grow their skills and contribute to a safer cyber environment. The gravity of the future of our nation’s cyber-security cannot be underscored. I am grateful that CyberPatriot is helping to encourage students with this skillset to consider future careers to help fill the ever increasing demand for their talents.

—Coach Michael Claiborn

Team members:

**Mason Herbel** – 12th Grade  
Career Aspiration: CEO of a Private Technology Firm

**Eric Houston** – 10th Grade  
Career Aspiration: A-10 Pilot

**Ryan Kelly** – 10th Grade  
Career Aspiration: Robotics Electrical Engineer

**Bao Nguyen** – 10th Grade  
Career Aspiration: Cisco Systems Network Engineer

**Seamus Oksa** – 11th Grade  
Career Aspiration: USAF Cybersecurity Network Systems Specialist
CyberPatriot provides an excellent close-to-real-world environment that gives competitors a place to practice their cyber skills and the competition aspect serves to increase their excitement and motivation to learn. It’s a great program, serving to both increase participants’ general cyber knowledge and hopefully spark the interest of future cybersecurity experts.

—Coach Tyler Gross

Team members:

**Jeremiah Jorenby** – 12th Grade  
Career Aspiration: Automotive Service Technician

**Austen King** – 12th Grade  
Career Aspiration: Cyber Operations Specialist

**Annabelle Klosterman** – 12th Grade  
Career Aspiration: Chief Information Security Officer

**Isaiah Klosterman** – 10th Grade  
Career Aspiration: Information Security Analyst or Penetration Tester

**Lydia Klosterman** – 8th Grade  
Career Aspiration: Penetration Tester
The CyberPatriot program helps our youth understand how vulnerable computer systems can be from attack and how to defend against these vulnerabilities, a skill that will become increasingly critical during their lifetime.

—Coach Galin Hernandez

Team members:

Alex Bitzer – 11th Grade  
Career Aspiration: Cybersecurity Professional

Jocelyn Caraway – 10th Grade  
Career Aspiration: Software Development

Kelsey Hall – 12th Grade  
Career Aspiration: Computer Forensics

Harrison Keating – 12th Grade  
Career Aspiration: Grammy award-winning Nobel Laureate

Gavin Morton – 12th Grade  
Career Aspiration: NSA Cybersecurity Professional

Stephen Parth – 10th Grade  
Career Aspiration: Penetration Tester
CyberPatriot is more than a competition. It puts multiple technical fields into what looks like a game. During this game, high schoolers learn and develop skills of their own to solve real world problems while having fun. As a past competitor, I can verify that this program exceeds everyone’s expectations of what it has to offer every year and the difference it makes in future generations.

—Coach Laura Lopez

Team members:

Alan Arana – 9th Grade
Career Aspiration: Cardiovascular Surgeon

Andre Arana – 10th Grade
Career Aspiration: Cybersecurity Engineer

Allan Barraza – 10th Grade
Career Aspiration: Actor

Julianna Craig – 11th Grade
Career Aspiration: Federal Agent
Team Name: Spartans
School/Institution: Sacramento Division
Location: Roseville, CA

The CyberPatriot program educates and immerses our cadets in the cybersecurity field, exposing them to hands-on cyber defense and safety environment. As the Sacramento Spartans, we not only strive to spread awareness about the constant threat of cyberattacks but also train to defend against such attacks. These opportunities allow the cadets to further pursue their interest in the technology field and help them discover their talents, potentially shaping their future careers.

—Coach Matt Foreman

Team members:

Emily Foreman – 10th Grade
Career Aspiration: Naval Information Warfare Officer

Evan Huang – 11th Grade
Career Aspiration: Data Security Analyst

Emily Kelso – 10th Grade
Career Aspiration: Naval Cyber Warfare Engineer

Zack Nkadi – 12th Grade
Career Aspiration: Aerospace Engineer

William Smith – 10th Grade
Career Aspiration: Information Technology Attorney

Connor Yang – 12th Grade
Career Aspiration: Information Security Analyst
CyberPatriot has been an eye-opening program that has introduced the students to a variety of computer science-related programs and has encouraged the students to become more involved in the online aspects of their peers and people in their community. Along with teaching effective teamwork, delegation, and other industry-related skills, this program has inspired them to believe that they can make a difference in our future.

—Coach Sheirman Szeto

Team members:

Aarav Arora – 8th Grade  
Career Aspiration: Doctor or Biomedical Engineer

Brandon Chong – 8th Grade  
Career Aspiration: Computer Scientist

Rachit Jaiswal – 7th Grade  
Career Aspiration: Information Security Manager

Rohan Juneja – 8th Grade  
Career Aspiration: Computer Scientist, Cisco Engineer, Software Developer

Safin Singh – 8th Grade  
Career Aspiration: Cybersecurity Analyst

Vardaan Sinha – 8th Grade  
Career Aspiration: Undecided
CyberPatriot is very important in that it provides tests and obstacles for students to pass. It tests the strength and perseverance of one's self and really helps one to understand where they need to improve to better themselves. CyberPatriot has helped them to realize that even though something may seem hard or impossible, there is always a way to do it. CyberPatriot teaches you valuable lessons, which aid you later in life no matter what career path you choose. Beyond teaching the students important skills in cybersecurity, CyberPatriot has taught them life skills, such as teamwork, leadership, and perseverance.

—Coach Paul Johnson

Team members:

- **Aadit Gupta** – 8th Grade  
  Career Aspiration: Computer Scientist or Engineer

- **Alex Jiang** – 8th Grade  
  Career Aspiration: Patent Attorney

- **Alex Lu** – 8th Grade  
  Career Aspiration: Software Development Manager

- **Raymond Sheng** – 7th Grade  
  Career Aspiration: Electrical Engineer

- **Andrea Wang** – 8th Grade  
  Career Aspiration: Digital Forensics Analyst

- **Aidan Wu** – 8th Grade  
  Career Aspiration: Network Security Engineer
As cyber attacks become increasingly sophisticated and cybersecurity threats continue to rise, cybersecurity is becoming more important than ever as it enforces and ensures confidentiality, integrity, and availability. CyberPatriot has made a huge impact on the lives of the students and has taught them valuable life skills that are essential for being safe in the cyber world. It has helped the students develop sportsmanship, teamwork, and leadership skills and given them confidence in a group environment.

—Coach Paul Johnson

Team Name: CyberAegis Electron
School/Institution: Oak Valley Middle School
Location: San Diego, CA

Team members:

Shaurya Goel – 7th Grade
Career Aspiration: Software Engineer

Shivansh Goel – 7th Grade
Career Aspiration: Biomedical Technician or Researcher

Eshaan Kumar – 7th Grade
Career Aspiration: Security Solutions Architect

William Wu – 8th Grade
Career Aspiration: Cyber & Information Security Engineer or Scientist

Ethan Zhao – 7th Grade
Career Aspiration: Chief Cybersecurity Officer

Jocelyn Zhang – 8th Grade
Career Aspiration: Computer Engineer
Inspiration starts young. When we encourage the next generation, there’s no limit to where we can go. Boeing is proud to fuel the minds that will tackle tomorrow’s challenges, today.
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The National Youth Cyber Defense Competition puts teams of middle and high school students in the position of newly hired IT professionals tasked with managing the network of a small company. Through a series of online rounds, students are scored on how well they identify and secure known vulnerabilities on a virtual network.

Through the AFA CyberCamp program, schools and educational organizations conduct week-long camps using an AFA-developed curriculum kit that teaches students important skills in cyber safety and cybersecurity.

The Elementary School Cyber Education Initiative (ESCEI) teaches students in grades K-6 the basics of cybersecurity, personal information protection, and online safety in an entertaining and engaging game-like format. To date nearly 9,600 copies have been distributed.

The Cyber Education Literature Series introduces cybersecurity principles to our youngest audience in storybook format. The series features two books – Sarah the Cyber Hero and Ben the Cyber Defender. Both books, available for purchase online, follow the stories of two children who save their communities from cyber danger.

CyberPatriot’s newest program is CyberGenerations, the Senior Citizens’ Cyber Safety Initiative. CyberGenerations offers self-paced and workshop resources for teaching seniors how to keep their information and their devices protected from various online cyber threats and scams. CyberGenerations is available for download on our website.

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